

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	21	(ecl or electrochemilum\$) same (indirect near detect\$4 or redox near reaction)	USPAT	OR	ON	2006/11/22 13:40
L2	0	crooks.in. and (ecl or electrochemilum\$)	USPAT	OR	ON	2006/11/22 13:31
L3	387	richards.in. and (ecl or electrochemilum\$)	USPAT	OR	ON	2006/11/22 13:31
L4	50	richards.in. and (ecl or electrochemilum\$) and analyte	USPAT	OR	ON	2006/11/22 13:31
L5	15	(ecl or electrochemilum\$) same (indirect\$3 near detect\$4)	USPAT	OR	ON	2006/11/22 13:40
L6	41	(ecl or electrochemilum\$) same (indirect\$3 near detect\$4)	US-PGPUB; USPAT	OR	ON	2006/11/22 14:43
L7	1	"6509195".pn.	US-PGPUB; USPAT	OR	ON	2006/11/22 13:44
L8	6	("5093268"   "5439647"   "5744367"   "6140045"   "6200531").PN. OR ("6509195").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/22 13:48
L9	0	zhan.in. and multi\$channel and micro\$fluidic and redox	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/22 13:48
L10	6	("5310687" "5714089" "5453356" "6140138" "5804400" "5238808").pn.	USPAT	OR	ON	2006/11/22 14:46
L11	1	"6509195".pn. and (led or light near source or light)	USPAT	OR	ON	2006/11/22 14:50
L12	1	("6696020" "6509195").pn. and electrolyte	USPAT	OR	ON	2006/11/22 14:51
L13	1	("6696020" "6509195").pn. and electrolyt\$4	USPAT	OR	ON	2006/11/22 15:07
L14	2801	bipolar adj electrode	USPAT	OR	ON	2006/11/22 15:08
L15	3	bipolar adj electrode and ("422" or "435" or "436").clas. and (ecl or electrochemilum\$ or chemilum\$)	USPAT	OR	ON	2006/11/22 15:08
L16	12	bipolar adj electrode and (ecl or electrochemilum\$ or chemilum\$)	USPAT	OR	ON	2006/11/22 15:10
L17	12	bipolar adj electrode and (ecl or electrochemilum\$ or chemilum\$ or electrochemolum\$)	USPAT	OR	ON	2006/11/22 15:31

## EAST Search History

L18	115	(led or light near diode) near10 reverse near bias	USPAT	OR	ON	2006/11/22 15:31
L20	6	(led or light near diode) near10 reverse near bias near10 detect\$4	USPAT	OR	ON	2006/11/22 16:17
L21	2324	(electrode) near7 (plural\$3 or multi\$3) near10 (analyte or detect\$4)	USPAT	OR	ON	2006/11/22 15:47
L22	104	(electrode) near7 (plural\$3 or multi\$3) near10 (analyte)	USPAT	OR	ON	2006/11/22 15:48
L23	77	(electrode) near7 (plural\$3 or multi\$3) near7(analyte)	USPAT	OR	ON	2006/11/22 15:48
L24	40	("2776257"   "3260661"   "4020830"   "4100048"   "4225410"   "4487676"   "4534356"   "4545382"   "4571292"   "4655880"   "4781798").PN. OR ("4963245").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/22 15:52
L25	1	"4963245".pn. and analytes	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/22 15:53
L26	1	"4963245".pn. and redox	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/22 15:54
L27	1	"4963245".pn. and electrochem\$	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/22 15:54
L28	0	(ecl or electrochemilum\$) same (led or light near diode) with (photon\$3)	USPAT	OR	ON	2006/11/22 16:18
L29	35	(ecl or electrochemilum\$) same (led or light near diode) with (signal)	USPAT	OR	ON	2006/11/22 16:22
L30	0	(ecl or electrochemilum\$) same (led or light near diode) same (photon\$4)	USPAT	OR	ON	2006/11/22 16:22
L31	11	(ecl or electrochemilum\$ or chemilum\$) same (led or light near diode) same (photon\$4)	USPAT	OR	ON	2006/11/22 16:24
L32	6	(ecl or electrochemilum\$ or chemilum\$) same (led or light near diode) same (photon\$4)	US-PGPUB	OR	ON	2006/11/22 16:34
L33	9	(ecl or electrochemilum\$ or chemilum\$) with (light near diode)	US-PGPUB	OR	ON	2006/11/22 16:34
L34	2	(ecl or electrochemilum\$ or chemilum\$) with (light near diode)	USPAT	OR	ON	2006/11/22 16:35

## EAST Search History

L35	1	"6509195".pn.	USPAT	OR	ON	2006/11/22 16:35
L36	6	("5093268"   "5439647"   "5744367"   "6140045"   "6200531").PN. OR ("6509195").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/22 16:35
L37	3	36 and (led or light near diode)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/22 16:51
L38	0	analyte near detect\$4 with (led or light near diode) with visible	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/22 16:51
L39	43	analyte near detect\$4 with (led or light near diode)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/22 16:52
L40	18	analyte near detect\$4 with (led or light near diode)	USPAT	OR	ON	2006/11/22 17:01
L41	1	"6529275".pn. and electrode	USPAT	OR	ON	2006/11/22 17:12
L42	0	(plural\$3 or multi\$3) near6 (light near diode) with (analyte near7 detect\$4)	USPAT	OR	ON	2006/11/22 17:12
L43	3	(plural\$3 or multi\$3) near6 (light near diode or led) with (analyte near7 detect\$4)	USPAT	OR	ON	2006/11/22 17:14
L44	632	(plural\$3 or multi\$3) near6 (light near diode or led) with (detect\$4)	USPAT	OR	ON	2006/11/22 17:14
L45	62	(plural\$3 or multi\$3) near6 (light near diode) with (detect\$4)	USPAT	OR	ON	2006/11/22 17:21
L46	1747	(multi\$3 or plural\$3) near10 (led or light near diode) same (detect\$4)	USPAT	OR	ON	2006/11/22 17:22
L47	772	(multi\$3 or plural\$3) near10 (led or light near diode) with(detect\$4)	USPAT	OR	ON	2006/11/22 17:23
L48	2118	(multi\$3 or plural\$3) near10 (led or light near diode) near10 (array or well)	USPAT	OR	ON	2006/11/22 17:23
L49	358	(multi\$3 or plural\$3) near10 (led or light near diode) near10 (well)	USPAT	OR	ON	2006/11/22 17:24
L50	10642	(led or light near diode) near7 array	USPAT	OR	ON	2006/11/22 17:24
L51	91	(light near diode) near array	USPAT	OR	ON	2006/11/22 17:25
L52	10	(light near diode) near6 array near10 (chamber or well or recess)	USPAT	OR	ON	2006/11/22 17:26

## EAST Search History

L53	11	(light near diode) near7 (plural\$3 or multi\$3) near10 (chamber or well or recess)	USPAT	OR	ON	2006/11/22 17:34
L54	244	(semiconductor) near (laser or led or light near diode) and (ecl or electrochemilum\$ or chemilum\$ or chemolum\$)	USPAT	OR	ON	2006/11/22 17:34
L55	61	(semiconductor) near (laser or led or light near diode) near7 (light near source) and (ecl or electrochemilum\$ or chemilum\$ or chemolum\$)	USPAT	OR	ON	2006/11/22 17:34
S1	7	"2004010105"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/13 09:08
S2	2	("5846485" "6316607").pn.	USPAT	OR	ON	2006/11/01 16:47
S3	6	"200003233"	USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/01 16:47
S4	6	"200003233"	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/01 16:48
S5	174	"0003233"	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/01 16:49
S11	4	"2000003233"	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/01 16:55
S12	2	"6696020"	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/22 13:30
S13	1	"6509195".pn.	USPAT	OR	ON	2006/11/01 17:00
S14	1	"6696020".pn. and ecl	USPAT	OR	ON	2006/11/01 17:00

## EAST Search History

S16	1	"6696020".pn. and (analyte or solution)	US-PGPUB; USPAT	OR	ON	2006/11/01 17:24
S17	1	"6696020".pn. and bipolar near electrode	US-PGPUB; USPAT	OR	ON	2006/11/01 17:28
S18	2	bi\$polar near electrode and (ecl near system)	US-PGPUB; USPAT	OR	ON	2006/11/01 17:28
S19	9	bi\$polar near electrode same ecl	US-PGPUB; USPAT	OR	ON	2006/11/01 17:37
S20	1	"6696020".pn. and light	US-PGPUB; USPAT	OR	ON	2006/11/01 17:39
S21	0	"6696020".pn. and diode	US-PGPUB; USPAT	OR	ON	2006/11/01 17:40
S22	0	"6696020".pn. and led	US-PGPUB; USPAT	OR	ON	2006/11/01 17:40
S23	325	(ecl or electrochemilum\$) and electrode same (led or diode)	US-PGPUB; USPAT	OR	ON	2006/11/01 17:41
S24	274	(ecl or electrochemilum\$) and electrode same (led or diode)	USPAT	OR	ON	2006/11/01 17:42
S25	26	(ecl or electrochemilum\$) and electrode same semi\$1conductor near6(led or diode)	USPAT	OR	ON	2006/11/01 17:53
S26	1	(ecl or electrochemilum\$) and electrode same semi\$1conductor near(led or diode)	USPAT	OR	ON	2006/11/01 17:53
S27	0	"2004010105" and ecl	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/02 17:02
S28	0	S27 and electrochemic\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/02 17:03
S29	0	S27 and electrochemilum\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/02 17:04
S30	0	S27 and electrochemilum\$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/02 17:04

## EAST Search History

S31	1	"20040129579".pn. and ecl	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/02 17:11
S32	501	422/52.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/02 17:11
S33	60	S32 and ecl	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/02 17:11
S34	56	S33 and electrode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/02 17:11
S35	49	S33 and electrode	USPAT	OR	ON	2006/11/02 17:11
S36	1	"5846485".pn.	USPAT	OR	ON	2006/11/08 16:16
S37	0	204/400.pn. and ecl	USPAT	OR	ON	2006/11/08 16:16
S38	847	204/400.ccls.	USPAT	OR	ON	2006/11/08 16:16
S39	13	204/400.ccls. and ecl	USPAT	OR	ON	2006/11/08 16:25
S40	307	205/775.ccls.	USPAT	OR	ON	2006/11/08 16:17
S41	1	S40 and ecl	USPAT	OR	ON	2006/11/08 16:17
S42	3	("4917777"   "5746974"   "5779976").PN. OR ("6599473"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/08 16:18
S43	13	S39 and electrode	USPAT	OR	ON	2006/11/08 16:25
S44	7	S39 and four near electrode	USPAT	OR	ON	2006/11/08 16:35
S45	3	monolithic near bi\$olar near electrode	USPAT	OR	ON	2006/11/08 16:36
S46	67	bi\$olar near electrode and ecl	USPAT	OR	ON	2006/11/08 16:37
S47	1	bi\$olar near electrode and ecl and electrolyte near solution	USPAT	OR	ON	2006/11/08 16:37
S48	257	bi\$olar near electrode and electrolyte near solution	USPAT	OR	ON	2006/11/08 16:38
S49	3	bi\$olar near electrode and electrolyte near solution and detect\$4 and led	USPAT	OR	ON	2006/11/08 16:38
S50	17	("3242059").PN. OR ("4108742"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/08 16:45

## EAST Search History

S51	1	"4108742".pn. and electrode	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/08 16:46
S52	0	"4108742".pn. and four near electrode	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/08 16:46
S53	1	"4108742".pn. and two near electrode	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/08 16:48
S54	4303	"204".clas. and electrolytic near cell	USPAT	OR	ON	2006/11/08 16:48
S55	39	"204".clas. and electrolytic near cell and four near electrode	USPAT	OR	ON	2006/11/08 16:50
S56	580	S54 and electrolyte adj solution	USPAT	OR	ON	2006/11/08 16:50
S57	38	S54 and electrolyte adj solution and bipolar near electrode	USPAT	OR	ON	2006/11/08 17:00
S58	5	S56 and detect\$4 near\$6 analyte	USPAT	OR	ON	2006/11/08 17:17
S59	426	S54 and bipolar adj electrode	USPAT	OR	ON	2006/11/08 17:17
S60	101	S54 and bipolar adj electrode and (electrolyt\$3 near solution)	USPAT	OR	ON	2006/11/08 17:17
S61	402	("422" or "436").clas. and (ecl or electrochemilumesc\$ near system)	USPAT	OR	ON	2006/11/09 13:41
S62	83	"422".clas. and (ecl or electrochemilumesc\$ near system)	USPAT	OR	ON	2006/11/09 14:17
S63	27	"422".clas. and (ecl or electrochemilumesc\$ near system) and led	USPAT	OR	ON	2006/11/09 13:46
S64	0	crooks.in. and ecl	USPAT	OR	ON	2006/11/09 13:47
S65	0	crooks.in. and (electrochemilum\$)	USPAT	OR	ON	2006/11/09 13:47
S67	116	("4315890"   "4908112"   "5252294"   "5262127"   "5304487"   "5385709").PN. OR ("5589136").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 14:04
S68	1	"5589136".pn. and ecl	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 14:06
S69	1	"5589136".pn. and led	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 14:07
S70	0	"5589136".pn. and electrolyte	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 14:07
S71	0	"5589136".pn. and electrolyt\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 14:07

## EAST Search History

S72	1	"5589136".pn. and solution	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 14:09
S73	1	"5589136".pn. and led	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 14:16
S74	1	"6696020".pn. and detector	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 14:17
S75	0	"6696020".pn. and led	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 14:17
S76	0	"6696020".pn. and diode	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 14:17
S77	83	"422".clas. and (ecl or electrochemilumesc\$)	USPAT	OR	ON	2006/11/09 14:20
S78	14	"422".clas. and (ecl or electrochemilumesc\$) same (led or light near diode)	USPAT	OR	ON	2006/11/09 14:18
S79	24	"422".clas. and (ecl or electrochemilumesc\$) same electrolyte	USPAT	OR	ON	2006/11/09 14:20
S80	374	"436".clas. and (ecl or electrochemilumesc\$)	USPAT	OR	ON	2006/11/09 14:20
S81	374	"436".clas. and (ecl or electrochemilumesc\$ near system)	USPAT	OR	ON	2006/11/09 14:20
S82	0	"436".clas. and (ecl or electrochemilumesc\$) same electrolyte	USPAT	OR	ON	2006/11/09 14:21
S83	1	"436".clas. and (ecl or electrochemilumesc\$) same bi\$olar near electrode	USPAT	OR	ON	2006/11/09 14:21
S84	1	"4431919".pn.	USPAT	OR	ON	2006/11/09 14:25
S85	20	("3706381"   "3961253"   "4036704"   "4147431"   "4280815"   "4343767").PN. OR ("4431919").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 14:25
S86	34	("4280815"   "4431919"   "5068088"   "5147806").PN. OR ("5541113").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 14:26
S87	74	("2805191"   "3853467"   "4013527"   "4041146"   "4089761"   "4104029"   "4118307"   "4172827").PN. OR ("4280815").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 14:32



## EAST Search History

S88	3	"422".clas. and micro\$1fluidic near (sens\$3 or detect\$3) same (electro\$1chemical or ecl)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 14:34
S89	0	wo0062931	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 14:34
S90	38	"0062931"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 14:34
S91	2	"200062931"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 14:37
S92	0	WO200062931.pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 14:37
S93	0	WO200062931.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 14:37
S94	0	WO200062931	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 14:38

## EAST Search History

S95	2	"200062931"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 14:42
S96	2	"6942771".pn. and electrode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/09 14:43
S97	2	("5126022" "5750015").pn.	USPAT	OR	ON	2006/11/09 14:45
S98	674	(ecl or electro\$1chemical or electrochemiluminesc\$) same analyte near6 detect\$4	USPAT	OR	ON	2006/11/09 14:47
S99	336	(ecl or electro\$1chemical or electrochemiluminesc\$) same analyte near detect\$4	USPAT	OR	ON	2006/11/09 14:47
S10 0	238	(ecl or electro\$1chemical or electrochemiluminesc\$) same analyte near detect\$4 and ("422" or "204" or "436").clas.	USPAT	OR	ON	2006/11/09 14:49
S10 3	115	(ecl or electro\$1chemical or electrochemiluminesc\$) same analyte near detect\$4 and ("422" or "204" or "436").clas. and label\$4	USPAT	OR	ON	2006/11/09 14:49
S10 4	87	("422" or "436").clas. and (ecl near system)	USPAT	OR	ON	2006/11/13 09:24
S10 5	34	("4280815"   "4431919"   "5068088"   "5147806").PN. OR ("5541113").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/13 09:09
S10 6	1	("5324457").PN. OR ("6132648"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/13 09:18

## EAST Search History

S10 7	54	("3319132"   "3970518"   "4070246"   "4115535"   "4169804"   "4280815"   "4305925"   "4419453"   "4431919"   "4447546"   "4480042"   "4515890"   "4539507"   "4554088"   "4628037"   "4652333"   "4652533"   "4661444"   "4677067"   "4695392"   "4695393"   "4698302"   "4731337"   "4745077"   "4777145"   "4849340"   "4865997"   "4916081"   "4945045"   "4978610"   "5061445"   "5068088"   "5093268"   "5115534"   "5147806"   "5221605"   "5238808"   "5240863"   "5310687"   "5324457"   "5521319"   "5536472"   "5746974"   "5770459"   "5779976"   "5798083"   "5811236"   "5846485"   "5935779").PN. OR ("6325973"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/13 09:22
S10 8	210	("422" or "436").clas. and (ecl or electrochemilum\$) same (barrier or bridge or membrane)	USPAT	OR	ON	2006/11/13 09:45
S10 9	50	("422" or "436").clas. and (ecl or electrochemilum\$) same (barrier or bridge or membrane) and electrode	USPAT	OR	ON	2006/11/13 09:46

## EAST Search History

S11 0	48	("4280815"   "4390405"   "4541908"   "4652533"   "4663230"   "4826759"   "4891321"   "5002652"   "5061445"   "5068088"   "5093268"   "5098771"   "5110693"   "5124075"   "5147806"   "5149630"   "5165909"   "5171560"   "5189549"   "5194133"   "5221605"   "5238808"   "5240863"   "5247243"   "5296191"   "5304326"   "5308754"   "5310687"   "5324457"   "5340716"   "5418171"   "5466416"   "5468606"   "5492735"   "5492840"   "5520787"   "5527710"   "5591581"   "5632957"   "5643721"   "5776672"   "5866434"   "5945344"   "6066448"   "6090545"   "6140045"   "6207369"   "6413783").PN. OR ("7015046").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/13 10:15
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